

AK

Notice of Allowability	Application No.	Applicant(s)	
	10/766,360	MOORE, DAVID ALLEN	
	Examiner	Art Unit	
	Edward Raymond	2857	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 8/19/05.
2. ☒ The allowed claim(s) is/are 1, 3, 8 and 31-35.
3. ☒ The drawings filed on 27 January 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>20050829</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Edward Raymond
 Primary Examiner
 Art Unit: 2857

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Hugh Gortler on August 29, 2005.

2. The application has been amended as follows:

Replace **claim 1** with the following text:

"1. A method for collecting temperature data in a computer facility including a group of computer systems, each computer system including a computer rack, the method comprising: coupling a plurality of sensors to each computer rack at locations that allow cooling requirements of the facility to be determined; and connecting the plurality of sensors to a central system, wherein a dedicated temperature collection module and a dedicated sensor bus are provided for each group of computer systems; and wherein the sensors of each group are connected to the central system via their dedicated bus and their dedicated temperature collection module."

Claims 12-23 and 27-30 are cancelled.

Replace **claim 31** with the following text:

"31. A method for collecting temperature data in a computer facility including a plurality of computer systems, each computer system including a computer rack, the method comprising: coupling a plurality of sensors to each of the computer systems at

locations that allow cooling requirements of the facility to be determined; and connecting each of the plurality of sensors to a central system; wherein the computer systems are arranged in multiple rows of racks, wherein a dedicated temperature collection module and a dedicated sensor bus are provided for each row; wherein coupling the sensors includes coupling multiple sensors to each row of racks; and wherein connecting the sensors includes connecting each row of sensors to its dedicated module via its dedicated bus, and connecting each module to the central system."

Replace **claim 34** with the following text:

"34. The method of claim 1, wherein the dedicated buses are 1-wire buses."

Allowable Subject Matter

3. **Claims 1, 3, 8 and 31-35** are allowed.
4. The following is an examiner's statement of reasons for allowance: Egidio teaches a system and method for temperature sensing and monitoring. Egidio teach a plurality of sensors providing temperature measurements within a plurality of separate tanks, which is contrary a method comprising sensors with dedicated collection modules and dedicated buses collectively determining the cooling requirements of a computer rack systems facility. The prior art of record does not teach a plurality of sensors for each of the computer systems at locations that determine the cooling requirements of the facility to be determined and wherein the computer systems are arranged in groups of racks or multiple rows of racks, wherein a dedicated temperature collection module and a dedicated sensor bus are provided for each group or row of racks; and wherein

connecting the sensors includes connecting each row of sensors to its dedicated module via its dedicated bus, and connecting each module to the central system.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward Raymond whose telephone number is 571-272-2221. The examiner can normally be reached on Monday through alternating Friday between 8:00 AM and 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marc Hoff can be reached on 571-272-2216. The fax phone numbers for the organization where this application or proceeding is assigned are 571-273-2221 for regular communications and 571-272-1562 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1782.

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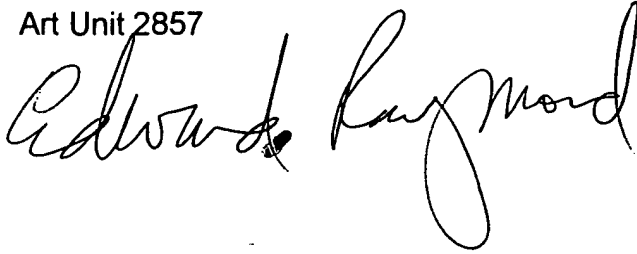
Art Unit: 2857

September 6, 2005

Edward Raymond

Patent Examiner

Art Unit 2857

A handwritten signature in cursive script that reads "Edward Raymond". The signature is written in black ink and is positioned below the printed name and title.